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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/122,740	07/27/98	TOMIZAWA	K 614.1907

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EXAMINER

FLEURANTIN, J

ART UNIT

PAPER NUMBER

2771

DATE MAILED:

06/16/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/122,740

Applicant(s)
Kazuhiro Tomizawa

Examiner
Jean Bolte Fleurantin

Group Art Unit
2771



☒ Responsive to communication(s) filed on Jul 27, 1998

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-17 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-17 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☒ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

1. Claims 1-17 are presented for examination.

Information Disclosure Statement

2. The references listed in the IDS, PTO - 1449, Paper No. 3, received on July 27, 1998 have been considered.

Claim Rejections - 35 U.S.C. § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(b) that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-17 are rejected under 35 U.S.C. 102(b) as being unpatentable over Hiroshi Tanaka (Pat. Application No. 4-255089, Publication date September, 1992).

As per claims 1 and 12, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method for a case where a plurality of applications are stored, as claimed comprises the steps of forming a directory structure corresponding to said plurality of applications (see, constitution/structure, figure 1, line 12);

giving items of identification information to predetermined directories of said directory structure, respectively, said items of identification information being used for identifying said

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plurality of applications (constitution/structure, line 12), respectively, said plurality of applications corresponding to said plurality of applications corresponding to said predetermined directories, respectively (see, constitution/structure, figure 1, lines 13-14);

performing management so that an application of said plurality of application of said plurality of applications corresponding to a directory of said predetermined directory of said predetermined directories is selected in accordance with an item of said items of identification information given to said directory of said predetermined directories (constitution/structure, figure 1, element 20; lines 12-15), when said directory of said predetermined of said predetermined directories is selected (see, constitution/structure, lines 12-14).

As per claim 2 and 13, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method as claimed wherein said items of identification information comprise addresses of said plurality of applications, respectively (see, constitution/structure, line 12);

an address of said addresses is recognized, and thereby, an application of said plurality of applications corresponding to said address of said addresses is accessed (see, col. 1, lines 1-4).

As per claim 3, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method as claimed comprises the steps of preparing an application management table storing said items of identification and starting addresses of said plurality of applications which

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correspond to said items of identification information, respectively (see, constitution/structure, lines 10-14);

referring to said application management table when a directory of said predetermined directories is selected, so as to recognize a starting address of an application of said plurality of applications (constitution/structure, lines 10-14), said starting address corresponding to an item of said identification information directories, and to access said application of said plurality of applications (see, constitution/structure, figure 1, elements 20 and 28; lines).

As per claim 4, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method as claimed comprises the steps of storing size information at a starting address of each application of said applications, said size identification indicating a size of said application of said application of said plurality of applications (see, figure 6, constitution/structure lines 12);

repeating detection of the size of an application of said plurality of applications from the size information store in the starting address of said application of said plurality of applications, and search for starting address of the next application of said plurality of applications in accordance with said size of the preceding application of said plurality of applications (see, figure 6), so as to obtain the starting address of a desired application of said plurality of applications (see, constitution/structure figure 1, element 22).

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As per claims 5 and 15, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein an item of said items of identification information is given to the highest directory of said directory structure (see, figure 6).

As per claims 6 and 16, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein an item of said items of identification information is given to each directory of said directory structure (see, figure 1, elements 20 and 28).

As per claim 7, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein , when an application of said plurality of applications substantially deleted, an item of said items of identification information for said application of said plurality of applications is caused to be ineffective (constitution/structure, lines 12-14).

As per claim 8, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein when an application of said plurality of applications is updated, an application obtained from updating said application of said plurality of applications is added to said plurality of applications is added to said plurality of applications (see, figures 1-5);

an item of said items of identification information for identifying said application of said plurality of applications is changed to an item of identification information for identifying said

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application obtained from updating said application of said plurality of applications (see, figures 1-4).

As per claims 9 and 17, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method comprises the steps of storing applications and data used by said applications in a series of storage areas (see, col. 1, lines 1-17);

managing the applications and data used by said applications stored in said series of storage areas (see, col. 1, lines 1-10),

wherein said series of storage areas is divided into program area storing said applications and a data area storing said data used by said applications (see, col. 1, lines 1-4).

As per claims 10-11, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein, when said applications are stored in said program area, said applications are stored from an end of said program area opposite to said boundary (see, figures 8 and 9).

As per claims 13-14, Hiroshi Tanaka (Pat. Application No. 4-255089) ~~substantially~~ teaches a managing method wherein said items of identification information comprise addresses of said plurality of applications, respectively (see, figure 1, element 20).

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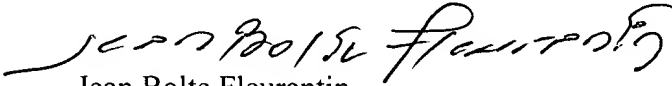
5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Conclusion

6. Any inquiry concerning this communication from examiner should be directed to Jean Bolte Fleurantin at (703) 308-6718. The examiner can normally be reached on Monday to Friday from 7:30 A.M. to 6.00 P.M.


If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Kim Vu can be reached at (703) 305-8449. The FAX phone number is (703) 305-9731.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone is (703) 305-9600.


Jean Bolte Fleurantin

June 14, 2000

JBF/


HOSAIN T. ALAM
PRIMARY EXAMINER